

LITTLE #1 ^{with 2nd Mesa} NAVAJO ~~513~~
NW NW 9-40N-28E APACHE CO. 513

P-W

s1

COUNTY Apache AREA 5 mi. S/Red Mesa Trading Post LEASE NO. NOO-C-14-20-2193

WELL NAME Curtis Jr. West Dry Mesa
Little #1 Navajo

LOCATION NW NW SEC 9 TWP 40N RANGE 28E FOOTAGE 790' FNL 790' FWL
ELEV 5837 GR 5849 KB SPUD DATE 9-14-69 STATUS COMP. DATE 10-7-69 TOTAL DEPTH 6002'

CONTRACTOR Mesa Drillers, P. O. Box 108, Lubbock, Texas

| | | | | |
|--------------|-------------|---------------|--------------------|-------------------------------|
| CASING SIZE | DEPTH | CEMENT | LINER SIZE & DEPTH | DRILLED BY ROTARY |
| <u>9 5/8</u> | <u>195'</u> | <u>110 SK</u> | <u>NA</u> | <u>x</u> |
| | | | | DRILLED BY CABLE TOOL |
| | | | | PRODUCTIVE RESERVOIR |
| | | | | INITIAL PRODUCTION <u>Dry</u> |

| FORMATION TOPS | DEPTHS | SOURCE | | REMARKS |
|----------------|---------|--------|------|-----------------------|
| | | L.L. | E.L. | |
| Jurassic | Surface | x | X | Devonian Elb. 5950' |
| Triassic | 657' | | | Pre-Cambrian 5987' |
| Permian: | | | | |
| DeChelly | 2360' | | | |
| Cutler | 2827 | | | |
| Cutler Evap. | 3442 | | | |
| Penn. | | | | See Completion Report |
| Hermosa | 4204 | | | |
| Upr Ismay | 4816 | | | |
| Lwr Ismay | 4880 | | | |
| Desert Crk | 4928 | | | |
| akah | 5027 | | | |
| Barker Crk | 5186 | | | |
| Molas | 5600 | | | |
| Miss. | 5662 | | | |

| ELECTRIC LOGS | PERFORATED INTERVALS | PROD. INTERVALS | SAMPLE LOG |
|------------------|----------------------|-----------------|------------------|
| IES -2; BHC/GR-2 | NA | NA | Am Strat |
| | | | SAMPLE DESCRP. |
| | | | SAMPLE NO. 1502* |
| | | | CORE ANALYSIS |
| | | | DSTs |
| | | | *Tucson 2575 |

| | |
|---------|------------------------|
| REMARKS | APP. TO PLUG <u>x</u> |
| | PLUGGING REP. <u>x</u> |
| | COMP. REPORT <u>x</u> |

WATER WELL ACCEPTED BY

BOND CO. United States Fidelity & Guaranty BOND NO. DATE
BOND AMT. \$ 5,000 CANCELLED 5-15-70 ORGANIZATION REPORT 2-5-68
FILING RECEIPT 9595 LOC. PLAT x WELL BOOK x PLAT BOOK x
API NO. 02-001-20113 DATE ISSUED 8-25-69 DEDICATION W/2 NW/4

PERMIT NUMBER 513

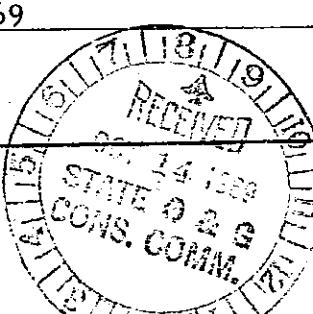
(over)

| DRILL STEM TEST | | | |
|-----------------|------|------|--|
| NO. | FROM | TO | RESULTS |
| 1 | 5110 | 5163 | Tool open 2 hours. Recovered 200' slightly oil & gas cut drilling mud. |
| | | | |
| | | | |
| | | | |

[illegible]

| DATE STARTED - COMPLETED | | WORK PERFORMED | NEW PERFORATIONS |
|--------------------------|--|----------------|------------------|
| | | | |
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ADDITIONAL INFORMATION

| WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG | | | | | | | | | |
|---|------------------------------------|---|---|--|--|--|------------------------------|---|--|
| DESIGNATE TYPE OF COMPLETION: | | | | | | | | | |
| New Well <input type="checkbox"/> | Work-Over <input type="checkbox"/> | Deepen <input type="checkbox"/> | Plug Back <input type="checkbox"/> | Same Reservoir <input type="checkbox"/> | Different Reservoir <input type="checkbox"/> | Oil <input type="checkbox"/> | Gas <input type="checkbox"/> | Dry <input checked="" type="checkbox"/> | |
| DESCRIPTION OF WELL AND LEASE | | | | | | | | | |
| Operator Curtis Little | | | | Address P.O. Box 8976, Albuquerque, N.M. | | | | | |
| Federal, State or Indian Lease Number or name of lessor if fee lease NOO-C-14-20-2193 | | | | Well Number 1 | | Field & Reservoir West Dry Mesa | | | |
| Location 790'/North line & 790'/West line | | | | County Apache | | | | | |
| Sec. TWP-Range or Block & Survey Section 9, T 40 N, R 28 E | | | | | | | | | |
| Date spudded 9-14-69 | | Date total depth reached 10-6-69 | | Date completed, ready to produce 10-7-69(Plugged) | | Elevation (DE, RKB, RT or Gr.) 5849KB | | Elevation of casing hd. flange 5837 feet | |
| Total depth 6002 | | P.B.T.D. | | Single, dual or triple completion? | | If this is a dual or triple completion, furnish separate report for each completion. | | | |
| Producing interval (s) for this completion None | | | | Rotary tools used (interval) 0-6002 | | Cable tools used (interval) None | | | |
| Was this well directionally drilled? No | | Was directional survey made? No | | Was copy of directional survey filed? | | Date filed | | | |
| Type of electrical or other logs run (check logs filed with the commission) Electrical Induction & Gamma Ray-Sonic-Caliper | | | | | | Date filed 10-69 | | | |
| CASING RECORD | | | | | | | | | |
| Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.) | | | | | | | | | |
| Purpose | Size hole drilled | Size casing set | Weight (lb./ft.) | Depth set | Sacks cement | Amt. pulled | | | |
| Surface | 12 1/4" | 9 5/8" | 32.3 | 195 | 110 sx | None | | | |
| TUBING RECORD | | | | | | | | | |
| Size in. | Depth set ft. | Packer set at ft. | Size in. | Top ft. | Bottom ft. | Sacks cement | Screen (ft.) | | |
| PERFORATION RECORD | | | | | | | | | |
| Number per ft. | Size & type | Depth Interval | | | ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD | | | | |
| | | | | | Amt. & kind of material used | | | Depth Interval | |
| INITIAL PRODUCTION | | | | | | | | | |
| Date of first production None | | Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump:) | | | | | | | |
| Date of test | Hrs. tested | Choke size | Oil prod. during test bbls. | Gas prod. during test MCF | Water prod. during test bbls. | Oil gravity ° API (Corr) | | | |
| Tubing pressure | Casing pressure | Cal'd rate of Production per 24 hrs. | Oil bbls. | Gas MCF | Water bbls. | Gas-oil ratio | | | |
| Disposition of gas (state whether vented, used for fuel or sold): | | | | | | | | | |
| <p>CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the.....operator.....of the</p> <p>Curtis J. Little.....(company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.</p> <p>October 10, 1969 Date</p> <p><i>Curtis J. Little</i> Signature</p> | | | | | | | | | |
| Permit No. 513 | | | <div style="text-align: center;">  </div> <div style="text-align: center;"> STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Well Completion or Recompletion Report and Well Log Form No. 4 File One Copy </div> | | | | | | |

DETAIL OF FORMATIONS PENETRATED

| Formation | Top | Bottom | Description* |
|----------------|---------|--------|--------------------------------|
| Jurassic | Surface | 657 | Sand and shale |
| Triassic | 657 | 2360 | Sand and shale |
| Permian: | | | |
| DeChelly | 2360 | 2827 | Sandstone |
| Cutler | 2827 | 3442 | Mudstone |
| Cutler Evap | 3442 | 4204 | Anhydrite, shale and siltstone |
| Pennsylvanian: | | | |
| Hermosa | 4204 | 4816 | Limestone, shale and siltstone |
| Upr Ismay | 4816 | 4880 | Limestone |
| Lwr Ismay | 4880 | 4928 | Limestone |
| Desert Crk | 4928 | 5027 | Limestone |
| Akah | 5027 | 5186 | Limestone, dolomite and shale |
| Barker Crk | 5186 | 5600 | Limestone, dolomite and shale |
| Molas | 5600 | 5662 | Shale |
| Mississippian | 5662 | 5950 | Limestone and dolomite |
| Devonian Elb | 5950 | 5987 | Shale and limestone |
| Pre-Cambrian | 5987 | 6002 | Quartzite |

DST - Akah 5110-5163. Open 15 minutes, shutin 44 minutes, open 2 hrs. 9 minutes, shutin 1 hr. Strong blow decreasing to weak. Recovered 200' slightly oil & gas cut drilling mud. IHP 2475, FHP 2325, IFP 129, FFP 124, ISIP 411 (tool leaked), FSIP 902.

* Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

INSTRUCTIONS:

Attach drillers log or other acceptable log of well.

This Well Completion or Recompletion report and well log shall be filed with the State of Arizona Oil & Gas Conservation Commission not later than thirty days after project completion.

Form No. 4

| PLUGGING RECORD | | | | | | | | | | | |
|---|--|-------------------|--|---|---|---|--|--|--|--------------------|--|
| Operator Curtis J. Little | | | | Address P.O. Box 8976, Albuquerque, N.M. | | | | | | | |
| Federal, State, or Indian Lease Number, or lessor's name if fee lease. NOO-C-14-20-2193 | | | | Well No. 1 | | Field & Reservoir West Dry Mesa | | | | | |
| Location of Well 790'/North line & 790'/West line | | | | Sec-Twp-Rge or Block & Survey Sec. 9, T40N, R28E | | | | County Apache | | | |
| Application to drill this well was filed in name of Same | | | Has this well ever produced oil or gas No | | Character of well at completion (initial production): Oil (bbls/day) | | | Gas (MCF/day) | | Dry? Yes | |
| Date plugged: 10-7-69 | | | Total depth 6002 | | Amount well producing when plugged: Oil (bbls/day) | | | Gas (MCF/day) | | Water (bbls/day) | |
| Name of each formation con- taining oil or gas. Indicate which formation open to well- bore at time of plugging | | | Fluid content of each formation | | Depth interval of each formation | | | Size, kind & depth of plugs used Indicate zones squeeze cemented, giving amount cement | | | |
| None | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| CASING RECORD | | | | | | | | | | | |
| Size pipe | | Put in well (ft.) | | Pulled out (ft.) | | Left in well (ft.) | | Give depth and method of parting casing (shot, ripped, etc.) | | Packers and shoes | |
| 9 5/8" | | 195 | | None | | 195 | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| Was well filled with mud-laden fluid, according to regulations? Yes | | | | | | Indicate deepest formation containing fresh water. None | | | | | |
| NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE | | | | | | | | | | | |
| Name | | | | Address | | | | Direction from this well: | | | |
| El Paso Natural Gas Co. | | | | El Paso, Texas | | | | West (Section 5 & 8) | | | |
| | | | | | | | | | | | |
| In addition to other information required on this form, if this well was plugged back for use as a fresh water well, give all pertinent details of plugging operations to base of fresh water sand, perforated interval to fresh water sand, name and address of surface owner, and attach letter from surface owner authorizing completion of this well as a water well and agreeing to assume full liability for any subsequent plugging which might be required. | | | | | | | | | | | |
| Use reverse side for additional detail. | | | | | | | | | | | |
| CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the <u>operator</u> of the <u>individual</u> (company) and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge. | | | | | | | | | | | |
| Date October 10, 1969 | | | | Signature | | | | | | | |
| Permit No. 513 | | | | STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Plugging Record File One Copy | | | | | | | |
| | | | | Form No. 10 | | | | | | | |

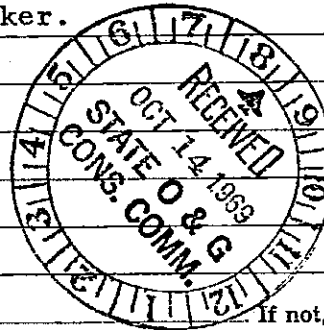
APPLICATION TO ABANDON AND PLUG

FIELD Wildcat

OPERATOR Curtis J. Little ADDRESS P.O. Box 8976, Albuquerque, N.M.
 Federal, State, or Indian Lease Number or Lessor's Name if Fee Lease NOO-C-14-20-2193 WELL NO. 1
 SURVEY G&SRM SECTION 9, T 40 N, R 28 E COUNTY Apache
 LOCATION 790'/North line & 790'/West line

TYPE OF WELL Dry Hole TOTAL DEPTH 6002
 (Oil, Gas or Dry Hole)
 ALLOWABLE (If Assigned)
 LAST PRODUCTION TEST OIL _____ (Bbls.) WATER _____ (Bbls.)
 GAS _____ (MCF) DATE OF TEST _____
 PRODUCING HORIZON _____ PRODUCING FROM _____ TO _____
 1. COMPLETE CASING RECORD 183.72' 9 5/8" H-40 set @ 195' with 110 sx

4 2. FULL DETAILS OF PROPOSED PLAN OF WORK Plugged 5750-5650 w/30 sx; 4850-4750 w/30sx;
2400-2300 w/30 sx; 10 sx at surface with dry hole marker.



If well is to be abandoned, does proposed work conform with requirements of Rule 202? _____ If not, outline proposed procedure above.

DATE COMMENCING OPERATIONS 10-6-69

NAME OF PERSON DOING WORK Mesa Drillers ADDRESS Farmington, New Mexico

CORRESPONDENCE SHOULD BE SENT TO Curtis J. Little

Telephone approval given by Operator
 Mr. Bannister on 10-6-69. Title _____
 Address P.O. Box 8976, Albuquerque, New Mexico
 Date October 10, 1969

Date Approved 10-14-69
 STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 By: John Bannister
 Permit No. 513

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Application to Abandon and Plug
 File Two Copies
 Form No. 9

Form 9-330
(Rev. 5-63)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other
instructions on
reverse side)

Form approved.
Budget Bureau No. 42-2355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other _____

b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESER. ☐ Other _____

2. NAME OF OPERATOR

Curtis Little

3. ADDRESS OF OPERATOR

P.O. Box 8976, Albuquerque, New Mexico 87108

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 790'/North line & 790'/West line

At top prod. interval reported below

At total depth Same

5. LEASE DESIGNATION AND SERIAL NO.
NOO-C-14-20-2193

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo Tribal

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
West Dry Mesa

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 9, T40N, R28E,
G&SRM

12. COUNTY OR PARISH
Apache

13. STATE
Arizona

15. DATE SPECDED 9-14-69 16. DATE T.D. REACHED 10-6-69 17. DATE COMPL. (Ready to prod.) 10-7-69 (Plugged) 18. ELEVATIONS (DF, HKB, RT, GR, ETC.)* 5849 RKB 19. ELEV. CASINGHEAD 5837

20. TOTAL DEPTH, MD & TVD 6002 21. PLUG BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 0-6002 24. ROTARY TOOLS 25. CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 25. WAS DIRECTIONAL SURVEY MADE

Dry Hole

No

26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORDED

Electrical Induction & Gamma Ray-Sonic-Caliper

No

| 28. CASING RECORD (Report all strings set in well) | | | | | |
|--|-----------------|----------------|-----------|------------------|---------------|
| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
| 9 5/8" | 32.3 | 195 | 12 1/4" | 110 sx | None |
| | | | | | |
| | | | | | |

| 29. LINER RECORD | | | | 30. TUBING RECORD | | |
|------------------|----------|-------------|---------------|-------------------|----------------|-----------------|
| SIZE | TOP (MD) | BOTTOM (MD) | BACKS CEMENT* | SIZE | DEPTH SET (MD) | PACKER SET (MD) |
| | | | | | | |
| | | | | | | |

| 31. PERFORATION RECORD (Interval, size and number) | | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. | |
|--|--|--|----------------------------------|
| | | DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
| | | | |
| | | | |
| | | | |

| 33. PRODUCTION | | | | | | |
|-----------------------|--|-------------------------|-------------------------|----------|------------------------------------|-------------------------|
| DATE FIRST PRODUCTION | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) | | | | WELL STATUS (Producing or shut-in) | |
| | | | | | Dry Hole | |
| DATE OF TEST | HOURS TESTED | CHOKER SIZE | PROD'N. FOR TEST PERIOD | OIL—BBL. | GAS—MCF. | GAS-OIL RATIO |
| | | | | | | |
| FLOW. TUBING PRESS. | CASING PRESSURE | CALCULATED 24-HOUR RATE | OIL—BBL. | GAS—MCF. | WATER—BBL. | OIL GRAVITY-API (CORR.) |
| | | | | | | |

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED _____ TITLE Operator DATE October 10, 1969

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 38, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Seals Cemented". Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

DST - Akah 5110-5163. Open 15 minutes, shutin 44 minutes, open 2 hrs. 9 minutes, shutin 1 hr. Strong blow decreasing to weak. Recovered 200' slightly oil & gas cut drilling mud. IHP 2475, FHP 2325, IFP 129, FFP 124, ISIP 411 (tool leaked), FSIP 902.

| 37. SUMMARY OF FORMER ZONES: SHOW ALL PREVIOUS ZONES OF PRODUCTION AND CONTENTS THEREOF: CURED INTERVALS; AND ALL PRODUCTION TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHIONS USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERY | | | 38. GEOLOGIC MARKERS | | |
|---|---------|--------|--------------------------------|------|------------|
| FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. | NAME | MEAN DEPTH |
| Jurassic | Surface | 657 | Sand and shale | Same | |
| Triassic | 657 | 2360 | Sand and shale | | |
| Permian: | | | | | |
| DeChelly | 2360 | 2827 | Sandstone | | |
| Cutler | 2827 | 3442 | Mudstone | | |
| Cutler Evap | 3442 | 4204 | Anhydrite, shale and siltstone | | |
| Pennsylvanian: | | | | | |
| Hermosa | 4204 | 4816 | Limestone, shale and siltstone | | |
| Upr Ismay | 4816 | 4880 | Limestone | | |
| Lvr Ismay | 4880 | 4928 | Limestone | | |
| Desert Crk | 4928 | 5027 | Limestone | | |
| Akah | 5027 | 5186 | Limestone, dolomite and shale | | |
| Barker Crk | 5186 | 5600 | Limestone, dolomite and shale | | |
| Molas | 5600 | 5662 | Shale | | |
| Mississippian | 5662 | 5950 | Limestone and dolomite | | |
| Devonian Elb | 5950 | 5987 | Shale and limestone | | |
| Pre-Cambrian | 5987 | 6002 | Quartzite | | |

871-233

U.S. GOVERNMENT PRINTING OFFICE: 1963-O-683106
GPO 637-497

October 8, 1969

The following well was delivered to the cut
yesterday.

Curtis Little, #1 West Dry Mesa
Sec. 9-40N-28E
Apache Co. Arizona

I am sure this is the one on your list that says
Little, #1 Navajo 2193
Permit # 513

Jo Ratcliff
Four Corners Sample Cut

Form 9-331
(May 1963)

CORRECTED REPORT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NOO-C-14-20-2193

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo Tribal

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

West Dry Mesa

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC. T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 9, T40N, R28E,

G&SRM

12. COUNTY OR PARISH

Apache

13. STATE

Arizona

1. OIL ☐ GAS ☐ OTHER ☒ Wildcat

2. NAME OF OPERATOR

Curtis Little

3. ADDRESS OF OPERATOR

P.O. Box 8976, Albuquerque, New Mexico 87108

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

790'/North line & 790'/West line

14. PERMIT NO.

Arizona 513

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5837 GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-
nent to this work.)

October 7, 1969 - T. D. 6002

This well was plugged and abandoned in the following manner:

4" 30 SX 5750-5650
30 SX 4850-4750
30 SX 2400-2300
10 SX Surface with dry hole marker

Last plug set @ 2:00 A.M.

CORRECTED REPORT

18. I hereby certify that the foregoing is true and correct

SIGNED

Curtis Little

TITLE

Operator

DATE

October 7, 1969

(This space for Federal or State office use)

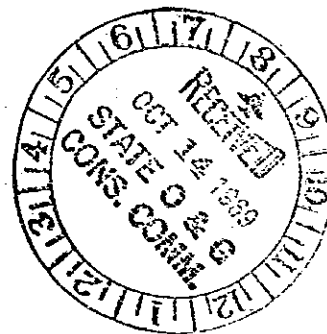
APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



10-6-69

Re Little #1 Nav.
NW NW 9 40N 28E
513

Curtis Little phoned (7:00 pm)
verbal approval given to plug as follows

T.D - 6002'
100' plugs thru following zones
Miss. 5750' - 5650'
Ismay 4850' - 4750'
De Chelly 2400' - 2300'
10 sacks cement at surface

U.S.G.S. has approved

J.B.

Form 9-331
(May 1963)

CORRECTED REPORT

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 42-R1424

5. LEASE DESIGNATION AND SERIAL NO.

NOO-C-14-20-2193

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo Tribal

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

West Dry Mesa

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND

SURVEY OR AREA

Sec. 9, T40N, R28E,

G&SRM

12. COUNTY OR PARISH

Apache

13. STATE

Arizona

SUNDRY NOTICES AND REPORTS ON WELLS
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL ☐ WELL ☐ GAS ☐ WELL ☐ OTHER ☒ Wildcat

2. NAME OF OPERATOR

Curtis Little

3. ADDRESS OF OPERATOR

P.O. Box 8976, Albuquerque, New Mexico 87108

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

790' North line & 790' West line

14. PERMIT NO.

Arizona 513

15. ELEVATIONS (Show whether DE, RT, GR, etc.)

5837 GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLET

ABANDON*

CHANGE PLANS

X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-
nent to this work.)*

October 6, 1969 - T. D. 6002

It is intended to plug and abandon this well in the following manner:

| | |
|-------|------------------------------|
| 30 SX | 5750-5650 |
| 30 SX | 4850-4750 |
| 30 SX | 2400-2300 |
| 10 SX | Surface with dry hole marker |

Verbal approval by M. Seelinger October 6, 1969

CORRECTED COPY

18. I hereby certify that the foregoing is true and correct

SIGNED

Curtis Little

(This space for Federal or State office use)

TITLE

Operator

DATE

October 10, 1969

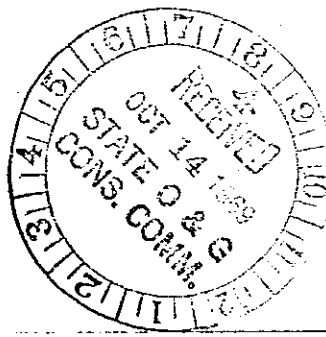
APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

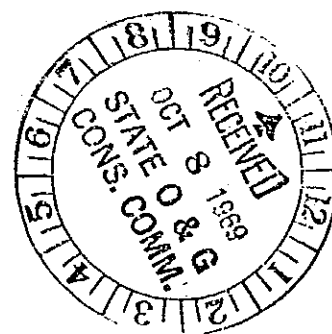
DATE

*See Instructions on Reverse Side



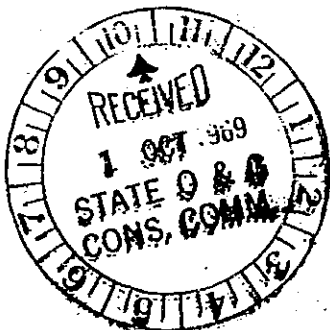
NO. 1 WEST DRY MESA
Page three

| TIME | DATE | DEPTH | |
|--------|---------|-------|---|
| 8:00AM | 10-1-69 | 5452 | Drlg Barker Creek limestone - 8 min/ft - w/Bit #12 - has made 289' in 45 hours. Mud 9#, vis 39, wtr ls 6.8, fltr cke 2/32. |
| 8:00AM | 10-2-69 | 5592 | T. D. in sh & limestone. Waiting on swivel bearing. Mud 9.2, vis 38, wtr ls 6.4, fltr cke 2/32. Bit #12 has made 429' in 68 hrs. Expect top of Mississippian @ 5685. All Pennsylvanian zones evaluated to be non-productive. |
| 8:00AM | 10-3-69 | 5695 | Drlg in Mississippian limestone. Mud 9.2, vis 38, wtr ls 6.4, fltr cke 2/32. Bit #12 has made 527' in 86 hrs. Dev. 1 1/4° @ 5690. Smpl tp Mississippian - 5664 (+185). 588' hi to Pan Am 2 mi w - 214' hi to Westates 1 mi s - 325' lo to Dry Mesa. |
| 8:00AM | 10-4-69 | 5814 | Drlg in dolomite @ 10 min/ft. Mud 9.2, vis 40, wtr ls 5.8, fltr cke 2/32. Bit #13 - S-88 - in @ 5696 has made 118' in 18 1/2 hrs. |
| 8:00AM | 10-5-69 | 5960 | Drlg Dolomite & shale. Mud 9.2, vis 44, wtr ls 7.8, fltr cke 2/32. Bit #13 has made 264' in 62 1/2 hrs. Smpl tp Devonian Elbert 5915. |
| 8:00AM | 10-6-69 | 6002 | Total Depth. Top pre-Cambrian 5988. 9 1/2 hrs drlg, 2 hrs circulating, 2 hrs tripping to log, 6 hrs. waiting on Schlumberger, 4 1/2 hrs. logging. Expect logs out about noon. |
| | 10-7-69 | 6002 | Last plug set @ 2:00AM. Rig Released Final Report. |



NO. 1 West Dry Mesa
Page two

| TIME | DATE | DEPTH | |
|--------|---------|-------|--|
| 5:00AM | 9-24-69 | 4464 | Drlg Hermosa limestone & siltstone - 6 min per ft. Mud 9#, vis 33. 15 unit gas kick @ 4311-15. Bit #10 has made 268' in 31 1/4 hrs. Sample Top Hermosa 4155 (+1694). This is 487' hi to Pan Am F-1 - 2 mi west. 230 hi to Westates - 1 mi so. 228' lo to Dry Mesa Field. |
| 3:00AM | 9-25-69 | 4647 | Drlg in limestone & sh - 10 minutes per foot. Mud 9.1#, vis 36, Water Loss 16.8, Filter cake 1/32. Bit #10 has made 451' in 55 hrs. 80 unit gas kick @ 4588-94 - believed to be in a fractured limestone. 20 unit gas kick @ 4597-4602. |
| 8:00AM | 9-26-69 | 4792 | Drlg limestone & sh w/Bit #11 - S 88 in @ 4787. Bit #10 made 591' in 74 hrs. Dev. 1 1/4" @ 4780. Md Wt 9.1#, vis 34, Wtr ls 10.2, fltr cke 2/32. Strap pipe - no depth correction. |
| 8:00AM | 9-27-69 | 4928 | Drlg limestone w/ Bit #11. Mud 9.2, vis 38, wtr ls 9.0, fltr cke 2/32. Sample Top Upper Ismay 4827. 521' hi to Pan Am 2 mi w - 180' hi Westates - 1 mi s - 334' lo Dry Mesa Field. |
| 8:00AM | 9-28-69 | 5083 | Drlg Akah limestone. Sample top Akah 5030. Mud 9.1#, vis 34, wtr ls 6.0, fltr cke 2/32. Bit #11 has made 296' in 49 1/2 hrs. Shows of gas @ 4984-86 - 10 units; 4988-94 30 units; 5008-10 17 units; 5056-58 10 units; 5060-62 45 units; 5074-76 20 units. |
| 4:00PM | 9-28-69 | | Will drl til 8PM and test 5110-60. Will open tool @ 4AM. Had 8' good porosity, fluorescence, cut & odor 5117-25. Broke from 11 min/ft to 2 min/ft w/120 units gas. C-1 thru C-5 present (methane, ethane, propane, butane, pentanes) Drlg @ 5138 in Akah limestone. Drlg break from 10 min/ft to 2 min/ft 5147-51. Prep to drill ahead. Mud 9.1, vis 46, wtr ls 6.0, fltr cke 2/32. Bit #11 has made 376' in 61 hrs. |
| 8:00AM | 9-29-69 | 5163 | DST #1: 5110-5163. Tool open 2 hrs. Good blow decr to weak blow. Rec'd 200' slty oil & gas cut drilling mud. ISIP (45 min) 266 psi FSIP (1 hr) 889 psi IFP 89 psi incr to 111 psi FFP 89 psi HP 2431 Bottom Hole Temperature - 122° F Slight possibility test tool plugged - otherwise zone had high porosity with no perm. |
| 8:00AM | 9-30-69 | 5301 | Drlg Barker Creek limestone. 20 units gas @ 5272-76. Mud 9.1#, vis 36, wtr ls 6.0, fltr cke 2/32. Bit #12 - Security M-88 in @ 5163 - has made 138' in 21 1/2 hrs. |



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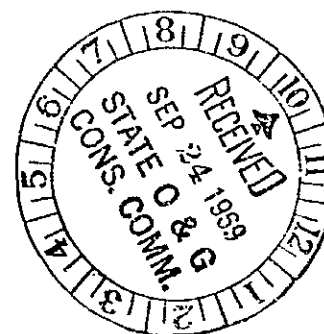
CURTIS J. LITTLE
CONSULTING GEOLOGIST

TELEPHONE (505) 268-8741

POST OFFICE BOX 8976
4300 SILVER AVENUE, S. E.
ALBUQUERQUE, NEW MEXICO 87108

NO. 1 WEST DRY MESA
790 FNL & 790 FWL
SECTION 9, TOWNSHIP 40 NORTH, RANGE 28 EAST
APACHE COUNTY, ARIZONA

Elevation - 5837 GR
Drilling Contractor - Mesa Drillers



| TIME | DATE | DEPTH |
|------|------|-------|
|------|------|-------|

| | | | |
|--------|---------|------|--|
| 8:00AM | 9-14-69 | 140 | Spudded @ 1:30 AM. Drlg @ 1075 in sd & sh w/ Bit #1 - OSC 3A - in @ 214'. (861' in 7 1/4 hrs) Drlg w/ wtr. Dev. 3/4° @ 200', 3/4° @ 618'. Ran 6 jts 9 5/8" - 183.72' <u>set at 195'</u> w/ 110 sx reg cmt w/ 2% CC. Cmt circ'd. Plug down @ 10:30 AM 9-14-69. |
| 5:45AM | 9-15-69 | 1075 | |
| 5:30AM | 9-16-69 | 1090 | Washing over drill collars @ 683'. Mud 8.9#, vis 42. Spent 20 1/2 hrs working stuck pipe. 3 1/2 hrs washing over drl clrs. |
| 5:30AM | 9-17-69 | 1920 | Drlg sd & sh. Dev 1° @ 1100, 1 1/4° @ 1342. Bit #1 made 1128' in 12 hrs. Bit #2 OSC 3A in @ 1342. Mud 8.9#, vis 32. |
| 5:30AM | 9-18-69 | 2792 | Tripping. Dev. 1° @ 1900. Bit #2 OSC 3A in @ 1342, out @ 1915 - made 573' 13 1/2 hrs. Bit #3 S4T in @ 1915, out @ 2792 - made 877' 21 3/4 hrs. Mud 9.2#, vis 33. |
| 5:30AM | 9-19-69 | 3125 | Drlg Sd & Sh w/ Bit #5 - OSC 1G. Mud 8.9#, vis 33. Dev. 2 1/2° @ 3105. Bit #4 OSC 1G made 318' in 19 1/2 hrs - in @ 2792 - out @ 3110. Bit #5 has made 15' in 1 hr. |
| 5:30AM | 9-20-69 | 3510 | Drlg Sh w/ Bit #6 OSCG - in @ 3411 has drld 99' in 5 3/4 hrs. Dev. 2 1/4° @ 3405. Bit #5 - OSC 1G in @ 3110 - out @ 3411 - made 301' in 15 3/4 hrs. Mud 9.2, vis 34. <u>Sample Top Ismay sd - 2065'</u> Cutler - 2500. Expect top Hermosa 4000. |
| 5:30AM | 9-21-69 | 3792 | Drlg sd, sh, anhydrite. Dev. 2° @ 3643. Bit #6 in @ 3411 - out @ 3643 - made 232' in 15 1/4 hrs. Bit #7 ClC in @ 3643 - has made 149' in 11 1/4 hrs. |
| 5:30AM | 9-22-69 | 4035 | Drlg lms & sh. Dev. 1 1/4° @ 3790, 1° @ 3985. Bit #8 S-6 in @ 3798 - out @ 3991 - made 193' in 15 1/2 hrs. Bit #9 - OWV - in @ 3991 - has made 39' in 3 1/2 hrs. Mud 9.3, vis 34. |
| 8:00AM | 9-23-69 | 4251 | Drlg Penn. Hermosa limestone & sh. 15 unit gas kick 4232-35. Mud 9.2, vis 34. Dev. 1/2° @ 4196. Bit #9 - out @ 3196 - made 205' in 18 hrs. Bit #10 - Security S-88 (re-run) in @ 4196 has made 55' in 7 1/4 hrs. |

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Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved
Budget Bureau No. 42-R1424

5. LEASE DESIGNATION AND SERIAL NO.
NOO-C-14-2052193

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo Tribal

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
West Dry Mesa

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 9, T40N, R28E, G&SRM

12. COUNTY OR PARISH
Apache

13. STATE
Arizona

1. ☐ OIL WELL ☐ GAS WELL ☐ OTHER **Wildcat**
2. NAME OF OPERATOR
Curtis Little
3. ADDRESS OF OPERATOR
P.O. Box 8976, Albuquerque, New Mexico 87108
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
790' FNL & 790' FWL

14. PERMIT NO.
Arizona 513

15. ELEVATIONS (Show whether DF, RT, CR, etc.)
5837 GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
(Other) ☐

PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
ABANDON* ☐
CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☒
FRACTURE TREATMENT ☐
SHOOTING OR ACIDIZING ☐
(Other) ☐

REPAIRING WELL ☐
ALTERING CASING ☐
ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Spudded well at 1:30 A.M. September 14, 1969.

Drilled 12 1/4" hole. Ran 6 joints 9 5/8", 32.3# - 183.72' set at 195' with 110 sx regular cement with 2% CaCl₂. Cement circulated. Plug down @ 10:30 AM 9-14-69.

18. I hereby certify that the foregoing is true and correct

SIGNED

Curtis Little

TITLE

Operator

DATE 9-17-69

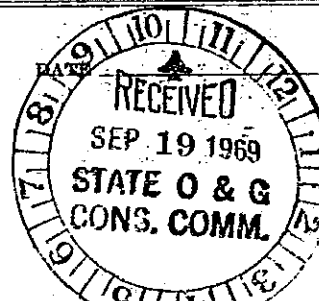
(This space for Federal or State office use)

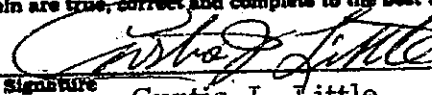
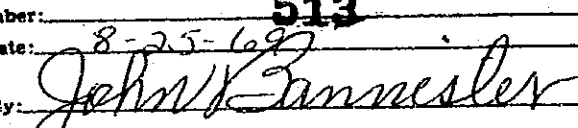
APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



| APPLICATION FOR PERMIT TO DRILL OR RE-ENTER | | | |
|---|--|--|--|
| APPLICATION TO DRILL <input checked="" type="checkbox"/> | | RE-ENTER OLD WELL <input type="checkbox"/> | |
| NAME OF COMPANY OR OPERATOR Curtis Little | | | |
| Address P.O. Box 8976 | | City, State Albuquerque, New Mexico 87108 | |
| Drilling Contractor Mesa Drillers | | | |
| Address P.O. Box 108, Lubbock, Texas | | | |
| DESCRIPTION OF WELL AND LEASE | | | |
| Federal, State or Indian Lease Number, or if fee lease, name of lessor Navajo Tribal NOO-C-14-20-2193 | | Well number No. 1 West Dry Mesa | |
| Nearest distance from proposed location to property or lease line: 790 feet | | Elevation (ground) 5837 GR | |
| Number of acres in lease: 2,352 | | Distance from proposed location to nearest drilling, completed or applied—for well on the same lease: None feet | |
| If lease, purchased with one or more wells drilled, from whom purchased: Not Applicable | | Number of wells on lease, including this well, completed in or drilling to this reservoir: None | |
| Well location (give footage from section lines) 790' North & 790' West | | Section—township—range or block and survey Section 9, T 40 N - R 28 E, GSRM 80ac(W/2NW/4) | |
| Field and reservoir (If wildcat, so state) Wildcat | | Dedication (Comply with Rule 106) Apache | |
| Distance, in miles, and direction from nearest town or post office Red Mesa Trading Post - 5 miles south | | | |
| Proposed depth: 6000' | | Rotary or cable tools Rotary | |
| Bond Status Filed | | Approx. date work will start August 20, 1969 | |
| Amount \$5,000 | | Filing Fee of \$25.00 Attached X | |
| Remarks: It is proposed to drill the well with rotary tools using mud as a circulating medium to the Pre-Cambrian granite estimated at a depth of 6000' and to test and/or produce all zones possibly productive of hydrocarbons. Estimated formation tops: Morrison - Surface, Hermosa - 4200, Akah - 4950, Barker Creek - 5200, Mississippian - 5640, Dev. Elbert - 5800. | | | |
| CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the <u>operator</u> of the <u>Aircoil Gas Ventures</u> (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge. | | | |
|  Signature Curtis J. Little Date August 19, 1969 | | | |
| Permit Number: 513 | | STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Application to Drill or Re-enter File Two Copies | |
| Approval Date: 8-25-69 | | Form No. 3 | |
| Approved By:  | | Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided. | |

- Attached

CERTIFICATION

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Curtis Little

Name _____

Operator

Position

Aircoil Gas Ventures

Company

August 19, 1969

Date _____

I hereby certify that the well location shown on the plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

August 13, 1969

**Registered Professional Engineer
and/or Land Surveyor**

Ernest V. Echohawk

Certificate No.
2311

| Size of Casing | Weight | Grade & Type | Top | Bottom | Cementing Depths | Sacks Cement |
|----------------|--------|--------------|------|--------|------------------|--------------|
| 9 5/8" | 32.3# | H-40 | surf | 185' | surface | 100 |
| 5 1/2" | 15.5# | (J-55 | " | T.D. | 6000 | 125 |

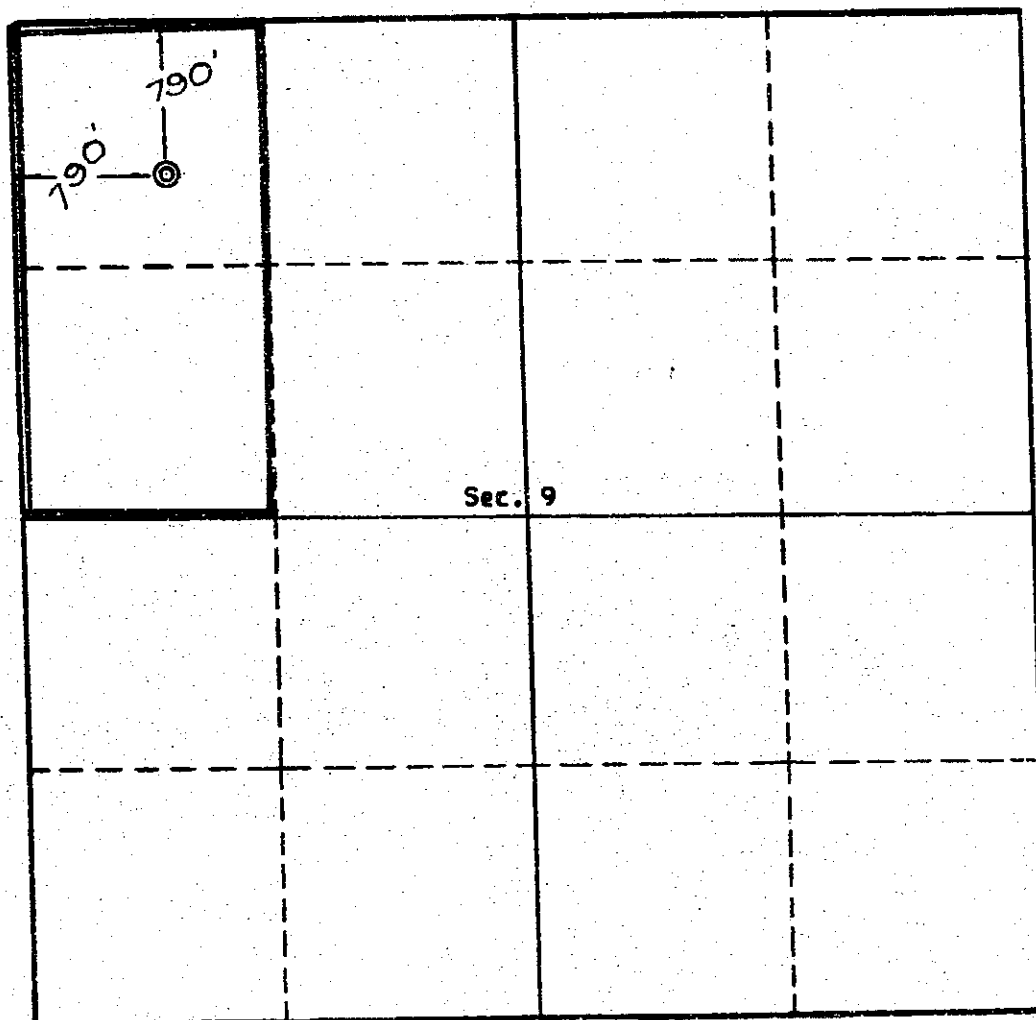
Company CURTIS J. LITTLE

Well Name & No. No. 1 West Dry Mesa

Location 790 feet from the North line and 790 feet from the West line.

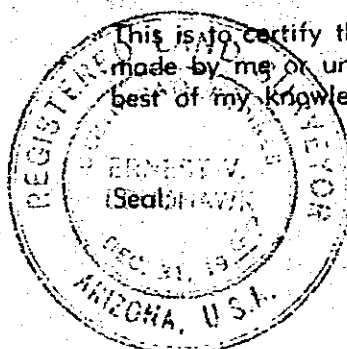
Sec. 9, T. 40 N., R. 28 E., G. & S. R. M., County Apache, Arizona

Ground Elevation 5837



Scale, 1 inch = 1,000 feet

Surveyed August 13, 1969



This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Ernest V. Echohawk
Ernest V. Echohawk
Registered Land Surveyor
Arizona Registration No. 2311

513



PERMIT TO DRILL

This constitutes the permission and authority from the

OIL AND GAS CONSERVATION COMMISSION,
STATE OF ARIZONA,

To: CURTIS J. LITTLE
(OPERATOR)

to drill a well to be known as

LITTLE #1 HAVAJO 2193
(WELL NAME)

located 790' FWL - 790' FWL

Section 9 Township 40N Range 28E, APACHE County, Arizona.

The W/2 NW/4 of said
Section, Township and Range is dedicated to this well.

Said well is to be drilled substantially as outlined in the attached Application and must be drilled
in full compliance with all applicable laws, statutes, rules and regulations of the State of Arizona.

Issued this 25th day of AUGUST, 19 69.

OIL AND GAS CONSERVATION COMMISSION

By

John Bannister
EXECUTIVE SECRETARY

PERMIT N° 513

RECEIPT NO. 9595
API NO. 02-001-20113

State of Arizona
Oil & Gas Conservation Commission
Permit to Drill

FORM NO. 27

SAMPLES ARE REQUIRED

May 15, 1970

Mr. E. W. Davenport
Western Assurance & Realty Corporation
2001 Carlisle Boulevard N.E.
Albuquerque, New Mexico 87106

Re: Little #1 Navajo 2193
NW/4 NW/4 Sec. 9-T40N-R28E
Apache County
Our File #513

Bond #47536-13-716-69 per your letter of May 6, 1970

Dear Mr. Davenport:

Records of this office indicate that on 5-15-70 Mr. Curtis J. Little fulfilled his obligations to the Commission as to the requirements pertaining to the captioned well. We authorize termination of the referenced bond effective this date.

Sincerely,

John Bannister
Executive Secretary

jd

cc: Mr. Curtis J. Little, Albuquerque, New Mexico

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS

Bond Serial No. _____

That we: Curtis J. Little

of the County of Bernalillo in the State of New Mexico

as principal, and United States Fidelity and Guaranty Company

of Baltimore, Maryland

AUTHORIZED TO DO BUSINESS WITHIN the State of Arizona.

as surety, are held and firmly bound unto the State of Arizona and the Oil and Gas Conservation Commission, hereinafter referred to as the "Commission", in the penal sum of Five Thousand dollars (\$5,000.00) lawful money of the United States, for which payment, well and truly to be made, we bind ourselves, and each of us, and each of our heirs, executors, administrators or successors, and assigns jointly and severally, firmly by these presents.

The conditions of this obligation are that, whereas the above bounden principal proposes to drill a well or wells for oil, gas or stratigraphic purposes in and upon the following described land situated within the State, to-wit:

N.W. 1/4 N.W. 1/4 of Section 9 Township 40 N. Range 28 E. Apache County, Arizona
(May be used as blanket bond or for single well)

NOW, THEREFORE, if the above bounden principal shall comply with all the provisions of the Laws of this State and the rules, regulations and orders of the Commission, especially with reference to the requirements of A.R.S. § 27-516, providing for the proper drilling, casing and plugging of said well or wells, and filing with the Oil and Gas Conservation Commission all notices and records required by said Commission, then in the event said well or wells do not produce oil or gas in commercial quantities, or cease to produce oil or gas in commercial quantities, this obligation is void; otherwise it shall remain in full force and effect.

Whenever the principal shall be, and declared by the Oil and Gas Conservation Commission in violation of the Laws of this State and the rules, regulations and orders of the Commission, the surety shall promptly:

1. Remedy the violation by its own efforts, or
2. Obtain a bid or bids for submission to the Commission to remedy the violation, and upon determination by the Commission and the Surety of the lowest responsible bidder, arrange for a contract between such bidder and the Commission, and make available as work progresses sufficient funds to pay the cost of remedying the violation; but not exceeding, including other costs and damages for which the surety may be liable hereunder, the amount set forth in the first paragraph hereof.

Liability under this bond may not be terminated without written permission of this Commission.

WITNESS our hands and seals, this 13th day of August, 1969

WITNESS our hands and seals this 13th day of August, 1969

(Attorney-In-Fact)
United States Fidelity and Guaranty Company

Surety, Resident Arizona Agent
If issued in a state other than Arizona

(If the principal is a corporation, the bond should be executed by its duly authorized officers, with the seal of the corporation affixed. When principal or surety executes this bond by agent, power of attorney or other evidence of authority must accompany the bond.)

Approved Date: 8-25-69
STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
By: John V. Bannister
Permit No. 513

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Bond
File Two Copies
Form No. 2
RECEIVED
OIL & GAS CONSERVATION COMMISSION
AUG 21 1969

CERTIFIED COPY

GENERAL POWER OF ATTORNEY

No. 79308

Know all Men by these Presents:

That UNITED STATES FIDELITY AND GUARANTY COMPANY, a corporation organized and existing under the laws of the State of Maryland, and having its principal office at the City of Baltimore, in the State of Maryland, does hereby constitute and appoint
Roger N. Downey

of the City of **Albuquerque**, State of **New Mexico**
its true and lawful attorney ~~XXXXXXXXXXXXXXXXXXXX~~

for the following purposes, to wit:

To sign its name as surety to, and to execute, seal and acknowledge any and all bonds, and to respectively do and perform any and all acts and things set forth in the resolution of the Board of Directors of the said UNITED STATES FIDELITY AND GUARANTY COMPANY, a certified copy of which is hereto annexed and made a part of this Power of Attorney; and the said UNITED STATES FIDELITY AND GUARANTY COMPANY, through us, its Board of Directors, hereby ratifies and confirms all and whatsoever the said

Roger N. Downey

may lawfully do in the premises by virtue of these presents.

In Witness Whereof, the said UNITED STATES FIDELITY AND GUARANTY COMPANY has caused this instrument to be sealed with its corporate seal, duly attested by the signatures of its Vice-President and Assistant Secretary, this **11th** day of **July**, A. D. 19 **68**

UNITED STATES FIDELITY AND GUARANTY COMPANY.

By **Karl H. Doerre**

Vice-President.

Richard D. Reinhardt

Assistant Secretary.

(SEAL)
STATE OF MARYLAND,
BALTIMORE CITY,

On this **11th** day of **July**, A. D. 19 **68**, before me personally came
Karl H. Doerre

Richard D. Reinhardt, Vice-President of the UNITED STATES FIDELITY AND GUARANTY COMPANY and **Richard D. Reinhardt**, Assistant Secretary of said Company, with both of whom I am personally acquainted, who being by me severally duly sworn, said that they resided in the City of Baltimore, Maryland; that they, the said **Karl H. Doerre** and **Richard D. Reinhardt** were respectively the Vice-President and the Assistant Secretary of the said UNITED STATES FIDELITY AND GUARANTY COMPANY, the corporation described in and which executed the foregoing Power of Attorney; that they each knew the seal of said corporation; that the seal affixed to said Power of Attorney was such corporate seal, that it was so fixed by order of the Board of Directors of said corporation, and that they signed their names thereto by like order as Vice-President and Assistant Secretary, respectively, of the Company.

My commission expires the first day in July, A. D. 19 **69**....

(SEAL)

(Signed)

Louis Rohd

Notary Public.

STATE OF MARYLAND
BALTIMORE CITY,

Sct.

I, **Robert H. Bouse**

Clerk of the Superior Court of Baltimore City, which Court is a Court of Record, and has a seal, do hereby certify that **Louis Rohd**, Esquire, before whom the annexed affidavits were made, and who has thereto subscribed his name, was at the time of so doing a Notary Public of the State of Maryland, in and for the City of Baltimore, duly commissioned and sworn and authorized by law to administer oaths and take acknowledgments, or proof of deeds to be recorded therein. I further certify that I am acquainted with the handwriting of the said Notary, and verily believe the signature to be his genuine signature.

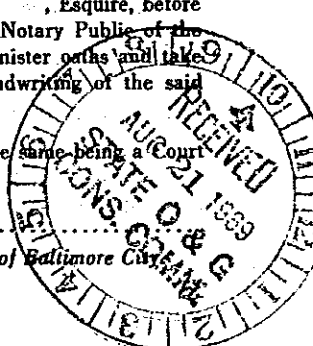
In Testimony Whereof, I hereto set my hand and affix the seal of the Superior Court of Baltimore City, the same being a Court of Record, this **11th** day of **July**, A. D. 19 **68**

(SEAL)

(Signed)

Robert H. Bouse

Clerk of the Superior Court of Baltimore City



COPY OF RESOLUTION

That Whereas, it is necessary for the effectual transaction of business that this Company appoint agents and attorneys with power and authority to act for it and in its name in States other than Maryland, and in the Territories of the United States and in the Provinces of the Dominion of Canada and in the Colony of Newfoundland.

Therefore, be it Resolved, that this Company do, and it hereby does, authorize and empower its President or either of its Vice-Presidents in conjunction with its Secretary or one of its Assistant Secretaries, under its corporate seal, to appoint any person or persons as attorney or attorneys-in-fact, or agent or agents of said Company, in its name and as its act, to execute and deliver any and all contracts guaranteeing the fidelity of persons holding positions of public or private trust, guaranteeing the performances of contracts other than insurance policies and executing or guaranteeing bonds and undertakings, required or permitted in all actions or proceedings, or by law allowed, and

Also, in its name and as its attorney or attorneys-in-fact, or agent or agents to execute and guarantee the conditions of any and all bonds, recognizances, obligations, stipulations, undertakings or anything in the nature of either of the same, which are or may by law, municipal or otherwise, or by any Statute of the United States or of any State or Territory of the United States or of the Provinces of the Dominion of Canada or of the Colony of Newfoundland, or by the rules, regulations, orders, customs, practice or discretion of any board, body, organization, office or officer, local, municipal or otherwise, be allowed, required or permitted to be executed, made, taken, given, tendered, accepted, filed or recorded for the security or protection of, by or for any person or persons, corporation, body, office, interest, municipality or other association or organization whatsoever, in any and all capacities whatsoever, conditioned for the doing or not doing of anything or any conditions which may be provided for in any such bond, recognizance, obligation, stipulation, or undertaking, or anything in the nature of either of the same.

I, **R. H. Bland, Jr.**, an Assistant Secretary of the UNITED STATES FIDELITY AND GUARANTY COMPANY, do hereby certify that the foregoing is a full, true and correct copy of the original power of attorney given by said Company to **Roger N. Downey**

of **Albuquerque, New Mexico**, authorizing and empowering **him** to sign bonds as therein set forth, which power of attorney has never been revoked and is still in full force and effect.

And I do further certify that said Power of Attorney was given in pursuance of a resolution adopted at a regular meeting of the Board of Directors of said Company, duly called and held at the office of the Company in the City of Baltimore, on the 11th day of July, 1910, at which meeting a quorum of the Board of Directors was present, and that the foregoing is a true and correct copy of said resolution, and the whole thereof as recorded in the minutes of said meeting.

In Testimony Whereof, I have hereunto set my hand and the seal of the UNITED STATES FIDELITY AND GUARANTY COMPANY on **August 13, 1969**.
(Date)

R. H. Bland Jr.
Assistant Secretary.

RECEIVED
AUG 18 1969
PHOENIX OFFICE

WESTERN ASSURANCE WA

& REALTY CORPORATION

Formerly Paul Billingham Agency and Jim Williams Agency

May 6, 1970

Mr. John Bannister
State of Arizona
Oil and Gas Conservation Commission
1624 Adams Street
Phoenix, Arizona 85007

RE: Curtis J. Little
Oil and Gas Lease Bond
No. 47556-13-716-69
N.W. $\frac{1}{4}$ N.W. $\frac{1}{4}$, Sec. 9,
TWP. 40 N. Range 28E.
Apache County, Arizona

Dear Mr. Bannister:

Mr. Curtis Little would like to have the captioned bond released by your office. If possible, please send a written release to him at the following address:

Mr. Curtis J. Little
P.O. Box 8976
Albuquerque, New Mexico 87108

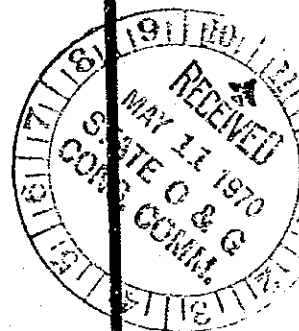
If any forms need to be completed prior to obtaining the release, please forward them at your earliest convenience.

Yours very truly,

WESTERN ASSURANCE & REALTY CORP.

E. W. Davenport
E. W. Davenport

EWD/hs
CC: Mr. Curtis J. Little



5/3

Insurance • Financial Planning • Real Estate

CURTIS J. LITTLE
CONSULTING GEOLOGIST
TELEPHONE (505) 268-8741
POST OFFICE BOX 8976
4300 SILVER AVENUE, S. E.
ALBUQUERQUE, NEW MEXICO 87108

October 15, 1969

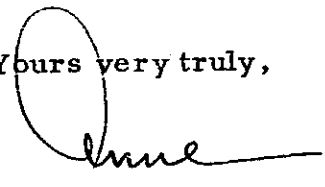
Mr. John Bannister
Arizona Oil & Gas Conservation Commission
1624 West Adams
Phoenix, Arizona

Dear John:

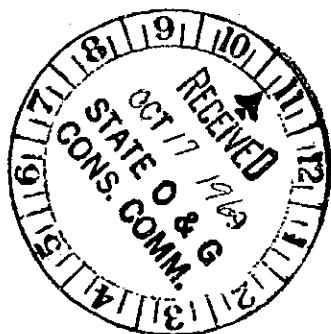
76 We would very much appreciate if you would consider the logs on the
No. 1 West Dry Mesa, Apache County, Arizona as Confidential.

Thank you.

Yours very truly,


Curtis J. Little

abl



513

X-Checked

August 25, 1969

Mr. Curtis J. Little
P. O. Box 8976
Albuquerque, New Mexico 87108

Re: Little #1 Navajo 2193
T40N, R28E, G & SRM
Sec. 9: NW/4 NW/4
Apache County
Permit #513

Dear Mr. Little:

Enclosed is the approved Application for Permit to Drill, our receipt No. 9595, a copy of the plat, a copy of the approved Bond, and our Permit To Drill No. 513.

Also enclosed are miscellaneous instruction sheets pertaining to samples and reports required by this office.

Yours truly,

John Bannister
Executive Secretary

jf
Enc.



UNITED STATES FIDELITY AND GUARANTY COMPANY
PHOENIX OFFICE
3605 N. 7TH AVENUE, PHOENIX, ARIZONA 85013
TELEPHONE: 602/277-4411

T. D. GIBSON
MANAGER

August 20, 1969

Oil & Gas Conservation Commission
1624 West Adams
Phoenix, Arizona

Re: Bond No. Un-numbered
Principal: Curtis J. Little
Amount: \$5,000.00
Effective Date: 8-13-69

Gentlemen:

At the request of our Albuquerque Branch Office,
we are attaching herewith original of the above captioned
bond, properly executed and countersigned, for filing.
We trust you will find same to be in proper order.

Thank you for your assistance in this matter.

Yours Sincerely,

Glenna Crum
Bond Department

Enclosure

CC:

513



XCheno
L. Lambert

August 20, 1969

Mr. Curtis J. Little
Aircoil Gas Ventures
P. O. Box 8976
Albuquerque, New Mexico 87108

Re: Little #1 Navajo 2193
T40N, R28E, G & SRM
Sec. 9: NW/4 NW/4
Apache County

Dear Mr. Little:

We received your check and Application for Permit To Drill this date. We wish to inform you that there are no bonds which are current at this time. The bond covering the Little #1 Navajo Tohotso was released on 3-19-69 and the bond covering the Doherty #1-15 was released the same date. When we receive the bond or telegraphic notification from the bonding company, we will be willing to issue the Permit to Drill the captioned well.

Yours truly,

James A. Lambert
Administrative Assistant

jf

513

AIRDDIL GAS VENTURES
ALBUQUERQUE, N. M.

DETACH AND RETAIN THIS STATEMENT
THE ATTACHED CHECK IS IN PAYMENT OF ITEMS DESCRIBED BELOW.
IF NOT CORRECT PLEASE NOTIFY US PROMPTLY. NO RECEIPT DESIRED.

Filing Fee - Application for Permit to Drill
No. 1 West Dry Mesa, Apache County, Arizona

\$ 25.00